Professional Player
TEOS 2.0 Installation & User Manual – 2019
Document version 1.0

Overview

Thank you for purchasing these products. These Players are designed for professional use. They have professional functions such as Android Management and IP control. Furthermore, by using optional software, you can add additional convenient features. Before operating the Player, please read this manual thoroughly.
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1.2 Player reference table

<table>
<thead>
<tr>
<th>Generation</th>
<th>Model name</th>
<th>Platform version</th>
<th>Latest Apps</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY18 &amp; FY19</td>
<td>TEP-TX5</td>
<td>Android Version 7.1.2</td>
<td>TEOS Android Player 2.95</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TEOS Control 1.19</td>
</tr>
</tbody>
</table>

1.1. Connection information

All the FY18 & FY19 player models are delivered with the following connections:

<table>
<thead>
<tr>
<th>Terminals</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RJ45 port</td>
<td>1</td>
<td>Ethernet connection</td>
</tr>
<tr>
<td>USB2.0 port</td>
<td>2</td>
<td>HDD USB port, for USB, keyboard or touchscreen connection</td>
</tr>
<tr>
<td>HDMI 2.0 port</td>
<td>1</td>
<td>Up to 4K 60Hz HDMI output</td>
</tr>
<tr>
<td>Micro SD</td>
<td>1</td>
<td>For storage extension</td>
</tr>
<tr>
<td>SPDIF</td>
<td>1</td>
<td>Audio optical output</td>
</tr>
<tr>
<td>AV port</td>
<td>1</td>
<td>Audio analogue output</td>
</tr>
<tr>
<td>DC Power adapter</td>
<td>1</td>
<td>DC power plug (5V 2A)</td>
</tr>
</tbody>
</table>

TEP-TX5 front & sides design

On the Player TEP-TX5 BOX:
- 1x TEP-TX5
- 1x remote (without batteries)
- 1x DC power supply
- 1x HDMI 1m cable

Power ON/OFF
Menu
Home
Vol + and -

Mute
Arrows and OK
Back
Back
2. Configure your player with TEOS

2.1. Check & install new apps

For TEOS Manage to control the player and send content, two apps need to be installed:
- TEOS Android Player (to show the content)
- TEOS Control (to receive commands from TEOS and transcode to Android commands)

2.1.1. From player Interface

3. Check the applications **TEOS Android Player** and **TEOS Control** are installed:

4. Check the version: go to settings > apps and check the versions of your apps going into each of them. Latest TEOS Android App version is 2.95 and latest TEOS Control app is 1.19

5. If the latest version is not installed, insert you USB stick with both TEOS apk and go back to menu and AppInstaller. Click on USB memory and the two apps on the USB stick should be visible. Install them by clicking on them each and following the installation procedure.
When you have installed both apps and they are up to date, you can remove the USB stick.

### 2.1.2 TEOS Manage interface

Using TEOS Manage version 2.0, you can verify the TEOS apps version, update them or install them.
To do so, go to your TEOS Manage web interface> Site Configuration> Service Management

Updates or installation of the apps can be done manually, by scheduling them one by one, or by group.
If your server is connected to the internet, you can directly get the latest version of apps from our Cloud app server. If not, you can always upload the apps that can be sent to you.

### 2.2 Configure app administration

TEOS apps need to be the administrator of the players to be able to control the LED, to shutdown or reboot the players and to be able to show content.

Go to settings > More settings >security> Device administration

5.1. Tick **TEOS Control Administrator:**
After activating TEOS Control as administrator, go to menu and open TEOS Control app. The app is not displaying an interface, it is only a service.

### 2.3. Configure date & time

This section explains how the in-built clock is working and how to configure time and use the professional timer in the player.

Go to settings>date & time, the features available under this menu are:

- Automatic date & time: automatically use network provided time
- Automatic time zone: automatically use network provided time zone
- Set date: manually set date
- Set time: manually set time
- Select time zone: manually set your time zone
- Use 24h format: you can choose 12- or 24-hour clocks

If in your date & time menu, NTP clock synchronization is not available or if you want to schedule the NTP synchronization, you can use an external app such as clocksync.

Go into the player menu>apk installer and install the apk `clocksync.apk`
1. Open the application clocksync and go to settings

2. Configure NTP server and activate automatic NTP synchronization

2.4. Configure network connection
This section explains all the settings available in the player’s network configuration.

First go to Settings -> Cable. You will see WIFI option and if you click on more you will see ethernet configuration menu.
a) **Network WIFI setup:**
Set up internet and local network connections:
- Easy: In Wireless, go directly to WIFI option, activate it and select the SSID network you want to connect. WIFI is available if there is no ethernet cable connected.
- Easy: for ethernet connection, only plug the cable, the player is by default in DHCP, which means that the player will take an IP address if your network provides it.
- Expert go to settings > network and select your wireless network: advanced way to setup the Wi-Fi or Wired LAN connection
  - In Wi-Fi part, a SSID can be selected and a static IP address can be defined. For this, just press the SSID you want to connect until you get the pop-up to configure the password. You will then see the option "See password" and "Advanced option". Press advanced options and you will be able to configure proxy Information and a static address to the device.
3. Players final configuration with TEOS

To finalize the installation of the player we recommend adding it into TEOS and sending content to it.

First, make sure that network player is configured.

1) Check that network port from TEOS Server to the player are open:

- **Outgoing to server**
  - TCP - Port 80 (Web server)
  - TCP - Port 443 (Web server)
  - UDP - Port 123 (NTP)
  - TCP - 5555

- **Incoming from server**
  - Type 8 and 0 (icmp ping for auto discovery)
  - TCP - 6541 (Player Signage app)
  - TCP - 5541 (TEOS Control)
  - TCP - 5555

The player needs to be able to contact TEOS Server using DNS approach, please make sure that the player links to your TEOS domain name.

3.1. Add a Player into TEOS

In this section we explain how to add a player into TEOS and use it with the different add-ons.

1. Go to TEOS Manage Interface > Administration > Device management. You have different methods to add a player: from an excel import, from auto discovery option or adding it manually.

To manually add a player press on "add device"

a) Insert the room or player name

b) Select "player" as device type

c) Select Sony as device brand

d) The model will be automatically filled

e) Insert the IP address of the device

f) Select "Signage" as license type (only license compatible with player TEM-DS10)

g) Add player into a device group (you must first create a group in site configuration)

h) Press save
**Note:** If the player is not reachable via network, or the TEOS control app is not open or you don’t have license for it, you will get a message on top of this tab. If the player is connected and the configuration complete, you will see that it’s status is green in both the power status and behavior status.

If you go to Site Management and site overview, you will see graphically your group hierarchy. You can see the status of your player into the meeting room, you can power on/off the devices from here and you can control get the virtual remote from this overview.
From TEOS Manage you can schedule your commands to have automatic control of your devices. For that go to Schedules & Alarms and go to Actions schedules. You will be able to reboot, app updates, start signage, start meeting, mute, manage volume, channel etc. These schedule commands can be addressed to a device or a group of devices. The Player cannot be shutdown due to technical limitation; it can only be rebooted.

3.2. Player with TEOS Signage

Players can show signage content based on scheduling. Go to Schedules & Alarms and go Content schedules and select the device or device group. Select the time frame. In content section select "Signage Content" and in signage content, select the Signage content you want to show. The creation of content is detailed in another document.
Note that the Player alone cannot control the display’s power ON/OFF. To be able to manage the device connected to the player, the display must be added in parallel with a control license (TEM-CO10).